

R. Schwartzman

1805

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/915,004

DATE: 11/30/97
TIME: 14:01:04

INPUT SET: S21826.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

#3
ENTERED
12-5-97

(1) General Information:

(i) APPLICANT: GOTO, Masaaki
TSUDA, Eisuke
MOCHIZUKI, Shin'ichi
YANO, Kazuki
KOBAYASHI, Fumie
SHIMA, Nobuyuki
YASUDA, Hisataka
NAKAGAWA, Nobuaki
MORINAGA, Tomonori
UEDA, Masatsugu
HIGASHIO, Kanji

(ii) TITLE OF INVENTION: Novel Proteins and Methods for Producing
the Proteins

(iii) NUMBER OF SEQUENCES: 108

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Testa, Hurwitz & Thibault
(B) STREET: 125 High St.
(C) CITY: Boston
(D) STATE: MA
(E) COUNTRY: USA
(F) ZIP: 02110

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 54977/1995
(B) FILING DATE: 20-FEB-1995

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 207508/1995

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PATENT APPLICATION US/08/915,004DATE: 11/30/97
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47 (B) FILING DATE: 21-JUL-1995
48
49 (vii) PRIOR APPLICATION DATA:
50 (A) APPLICATION NUMBER: PCT/JP96/00374
51 (B) FILING DATE: 20-FEB-1996
52
53 (viii) ATTORNEY/AGENT INFORMATION:
54 (A) NAME: CAMPBELL, Paula A.
55 (B) REGISTRATION NUMBER: 32,503
56 (C) REFERENCE/DOCKET NUMBER: FJN-060
57
58 (ix) TELECOMMUNICATION INFORMATION:
59 (A) TELEPHONE: (617) 248-7000
60 (B) TELEFAX: (617) 248-7100
61
62
63 (2) INFORMATION FOR SEQ ID NO:1:
64
65 (i) SEQUENCE CHARACTERISTICS:
66 (A) LENGTH: 6 amino acids
67 (B) TYPE: amino acid
68 (C) STRANDEDNESS:
69 (D) TOPOLOGY: linear
70
71 (ii) MOLECULE TYPE: peptide
72
73
74 (ix) FEATURE:
75 (A) NAME/KEY: Peptide
76 (B) LOCATION: 1..6
77 (D) OTHER INFORMATION: /note= "(an internal amino acid
78 sequence of the protein)"
79
80
81 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
82 Xaa Tyr His Phe Pro Lys
83 1 5
84
85
86 (2) INFORMATION FOR SEQ ID NO:2:
87
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 14 amino acids
90 (B) TYPE: amino acid
91 (C) STRANDEDNESS:
92 (D) TOPOLOGY: linear
93
94 (ii) MOLECULE TYPE: peptide
95
96
97 (ix) FEATURE:
98 (A) NAME/KEY: Peptide
99 (B) LOCATION: 1..14

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100 (D) OTHER INFORMATION: /note= "(an internal amino acid
101 sequence of the protein)"
102
103
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
105
106 Xaa Gln His Ser Xaa Gln Glu Gln Thr Phe Gln Leu Xaa Lys
107 1 5 10
108
109 (2) INFORMATION FOR SEQ ID NO:3:
110
111 (i) SEQUENCE CHARACTERISTICS:
112 (A) LENGTH: 12 amino acids
113 (B) TYPE: amino acid
114 (C) STRANDEDNESS:
115 (D) TOPOLOGY: linear
116
117 (ii) MOLECULE TYPE: peptide
118
119
120 (ix) FEATURE:
121 (A) NAME/KEY: Peptide
122 (B) LOCATION: 1..12
123 (D) OTHER INFORMATION: /note= "(an internal amino acid
124 sequence of the protein)"
125
126
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
128
129 Xaa Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys
130 1 5 10
131
132 (2) INFORMATION FOR SEQ ID NO:4:
133
134 (i) SEQUENCE CHARACTERISTICS:
135 (A) LENGTH: 380 amino acids
136 (B) TYPE: amino acid
137 (C) STRANDEDNESS:
138 (D) TOPOLOGY: linear
139
140 (ii) MOLECULE TYPE: protein
141
142
143 (ix) FEATURE:
144 (A) NAME/KEY: Protein
145 (B) LOCATION: 1..380
146 (D) OTHER INFORMATION: /note= "(OCIF protein without
147 signal peptide)"
148
149
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
151
152 Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp Glu Glu Thr Ser His

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	1	5	10	15
153				
154				
155	Gln	Leu	Leu	Cys
156		20		30
157				
158	Cys	Thr	Ala	Lys
159		35		45
160				
161	Tyr	Thr	Asp	Ser
162		50		60
163				
164	Val	Cys	Lys	Glu
165		65		75
166				
167	Asn	Arg	Val	Cys
168		85		95
169				
170	Cys	Leu	Lys	His
171		100		110
172				
173	Gly	Thr	Pro	Glu
174		115		125
175				
176	Phe	Ser	Asn	Glu
177		130		140
178				
179	Cys	Ser	Val	Phe
180		145		155
181				
182	Asp	Asn	Ile	Cys
183		165		175
184				
185	Asp	Val	Thr	Leu
186		180		190
187				
188	Lys	Phe	Thr	Pro
189		195		205
190				
191	Thr	Lys	Val	Asn
192		210		220
193				
194	Ser	Gln	Glu	Gln
195		225		235
196				
197	Lys	Asp	Gln	Asp
198		245		255
199				
200	Glu	Asn	Ser	Val
201		260		270
202				
203	Gln	Leu	Arg	Ser
204		275		285
205				

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206   Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys Pro Ser Asp Gln Ile
207       290                               295                               300
208
209   Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn Gly Asp Gln Asp Thr
210       305                               310                               315                               320
211
212   Leu Lys Gly Leu Met His Ala Leu Lys His Ser Lys Thr Tyr His Phe
213       325                               330                               335
214
215   Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr Ile Arg Phe Leu His
216       340                               345                               350
217
218   Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu Phe Leu Glu Met Ile
219       355                               360                               365
220
221   Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys Leu
222       370                               375                               380
223

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(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 401 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

- (A) NAME/KEY: Protein
- (B) LOCATION: 1..380
- (D) OTHER INFORMATION: /note= "(OCIF protein)"

(ix) FEATURE:

- (A) NAME/KEY: Peptide
- (B) LOCATION: -21..0
- (D) OTHER INFORMATION: /note= "(signal peptide)"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

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247   Met Asn Asn Leu Leu Cys Cys Ala Leu Val Phe Leu Asp Ile Ser Ile
248       -20                               -15                               -10
249
250   Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
251       -5                               1                               5                               10
252
253   Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr
254       15                               20                               25
255
256   Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro
257       30                               35                               40
258

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SEQUENCE VERIFICATION REPORT
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